

Title (en)

PIEZOELECTRIC TRANSDUCER OF THE TONPILZ TYPE FOR USE EITHER AS A WIDEBAND TRANSMITTER OR AS A RECEIVER

Publication

EP 0217680 B1 19891129 (FR)

Application

EP 86400971 A 19860506

Priority

FR 8507081 A 19850510

Abstract (en)

[origin: US4811307A] A Tonpilz type piezoelectric transducer which can be used alternately as a wide-band receiver and an emitter includes a stack of pairs of piezoelectric segments separated by electrodes, the stack being placed between a horn and a counter-mass. An emitter is connected by a conductor to one of the two electrodes for each segment pair. One pair of segments next to the counter-mass is separated from the others by an insulator. The two electrodes to either side of the one pair are connected in parallel to a receiver and, through two diodes connected in opposition, to a grounded common conductor.

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